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RAW SEQUENCE LISTING
PATENT APPLICATION US/09/232,880

DATE: 04/27/1999
TIME: 18:51:43

Input Set: I232880.RAW

This Raw Listing contains the General Information
Section and up to first 5 pages.

1 <110> APPLICANT: Xu, Jiangchun
2 Dillon, Davin C.
3 Mitcham, Jennifer Lynn
4 <120> TITLE OF INVENTION: COMPOUNDS FOR IMMUNODIAGNOSIS OF
5 PROSTATE CANCER AND METHODS FOR THEIR USE
6 <130> FILE REFERENCE: 210121.428C6
7 <140> CURRENT APPLICATION NUMBER: US/09/232,880
8 <141> CURRENT FILING DATE: 1999-01-15
9 <160> NUMBER OF SEQ ID NOS: 338
10 <170> SOFTWARE: FastSEQ for Windows Version 3.0
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12 <211> LENGTH: 814
13 <212> TYPE: DNA
14 <213> ORGANISM: Homo sapien
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22 ccaggggggtc cagtccctct ccttacttca tccccatccc atgccaaagg aagaccctcc 180
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24 ttccagctcc atccttgctg tgagtgtctg gtgcgttggt cctccagctt ctgctcagtg 300
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27 gcgcgcttgg cgtaatcatg gtcataactg tttcctgtgt gaaattgtta tccgctcaca 480
28 attccacaca acatacgagc cggaagcata aagtgtaaag cctgggggtgc ctaatgagtg 540
29 anctaactca cattaattgc gttgcgctca ctgnccgctt tccagtcngg aaaactgtcg 600
30 tgccagctgc attaatgaat cggccaacgc ncggggaaaa gcggtttgcg ttttgggggc 660
31 tcttccgctt ctgctcact nantcctgcg ctcggtcntt cggctgcggg gaacgggtatc 720
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33 aacaaaaggg cancaaaggg cngaaacgta aaaa 814
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35 <211> LENGTH: 816
36 <212> TYPE: DNA
37 <213> ORGANISM: Homo sapien
38 <220> FEATURE:
39 <221> NAME/KEY: misc_feature
40 <222> LOCATION: (1)...(816)
41 <223> OTHER INFORMATION: n = A,T,C or G
42 <400> SEQUENCE: 2
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ENTERED

W-->
W-->
W-->
W-->
W-->

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47      acagatgcct gtgtgactcc ggttctgact tttgaggagg ttgttcatca tgatcacaac      300
48      aaggaacggg gctcgtttat caccagttag gagcaggacg tgagcccccg ccctgcacct      360
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W--> 55      tcgctcattg atcctngcnc ccggtcttcg gctgcggnga acggttcact cctcaaaggc      780
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86      <223> OTHER INFORMATION: n = A,T,C or G
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117      aatagaatac cttggcctct atgcaaatat gtctagacac tttgattcac tcagccctga      420
118      cattcagttt tcaaagtagg agacagggtc tacagtatca ttttacagtt tccaacacat      480
119      tgaaaacaag tagaaaatga tgagttgatt tttattaatg cattacatcc tcaagagtta      540
120      tcaccaaccc ctcagttata aaaaattttc aagttatatt agtcatataa cttggtgtgc      600
121      ttatttttaa ttagtgctaa atggattaag tgaagacaac aatgggtccc taatgtgatt      660
W--> 122     gatattggtc atttttacca gcttctaaat ctnaactttc aggccttttg actggaacat      720
W--> 123     tgnatnacag tgttccanag ttncaaccta ctggaacatt acagtgtgct tgattcaaaa      780
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128 <213> ORGANISM: Homo sapien
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136      tgtaaagtga aatattagtt ggcggatgaa gcagatagtg aggaaagttg agccaataat      180
137      gacgtgaagt ccgtggaagc ctgtggctac aaaaaatgtt gagccgtaga tgccgtcgga      240
138      aatgggtgaag ggagactcga agtactctga ggcttgtagg agggtaaaat agagaccag      300
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143      ggtaataaat aggattatcc cgtatcgaag gccttttttg acaggtggtg tgtggtggcc      600
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149      <211> LENGTH: 817
150      <212> TYPE: DNA
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152      <220> FEATURE:
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154      <222> LOCATION: (1)...(817)
155      <223> OTHER INFORMATION: n = A,T,C or G
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159      ggtttgctcc acagatttca gagcattgac cgtagtatac ccccggtcgt gtagcgggtga      180
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178      <223> OTHER INFORMATION: n = A,T,C or G
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182      ctgaagcgca cgtcccagaa ggtggacttg gcactgaaac agctgggaca catccgcgag      180
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196 <212> TYPE: DNA
197 <213> ORGANISM: Homo sapien
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      205      caaggacaag gccaccaggt gcgggggccc aagcccacat gatccttact ctatgagcaa      180
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224 <223> OTHER INFORMATION: n = A,T,C or G
225 <400> SEQUENCE: 10
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      228      agatcctgcc ctacacactg gcctccctct accaccggga gaagcagggtg ttccctgcca      180
      229      aataccgagg ggacactgga ggtgctagca gtgaggacag cctgatgacc agcttcctgc      240
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241 <211> LENGTH: 772
242 <212> TYPE: DNA
243 <213> ORGANISM: Homo sapien
244 <220> FEATURE:

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Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

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PREVIOUSLY ERRORED SEQUENCES-EDITED

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2  <211> 820
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12  gaaaagggtgg cgggtcccat cactcctcct ctcccatagc catcccagag ggggtgagtag      180
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21  ganattccac tnnccgctnc cntcnatcng naanacnaaa nactntctna cccnggggat      720
22  gggnnccctg ntcatectct ctttttctct accnccnntt ctttgectct ccttngatca      780
23  tccaaccntc gntggccntn ccccccnntt tcctttcccc      820

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n/a

6. Bansal

1635

CRF Errors Corrected by the STIC System Branch

Serial Number: 09/232880

Processing Date: 4/22/99
Edited by: AW
Verified by: _____ (STIC staff)

ENTERED

- ☐ Changed a file from non-ASCII to ASCII
- ☐ Changed the margins in cases where the sequence text was "wrapped" down to the next line.
- ☐ Edited a format error in the Current Application Data section, specifically: _____
- ☐ Edited the Current Application Data section with the actual current number. The number inputted by the applicant was ☐ the prior application data; or ☐ other _____
- ☐ Added the mandatory heading and subheadings for "Current Application Data".
- ☐ Edited the "Number of Sequences" field. The applicant spelled out a number instead of using an integer.
- ☐ Changed the spelling of a mandatory field (the headings or subheadings), specifically: _____
- ☐ Corrected the SEQ ID NO when obviously incorrect. The sequence numbers that were edited were: _____
- ☐ Inserted or corrected a nucleic number at the end of a nucleic line. SEQ ID NO's edited: _____
- ☐ Corrected subheading placement. All responses must be on the same line as each subheading. If the applicant placed a response below the subheading, this was moved to its appropriate place.
- ☐ Inserted colons after headings/subheadings. Headings edited included: _____
- ☐ Deleted extra, invalid, headings used by an applicant, specifically: _____
- ☐ Deleted: ☐ non-ASCII "garbage" at the beginning/end of files; ☐ secretary initials/filename at end of file; ☐ page numbers throughout text; ☐ other invalid text, such as _____
- ☐ Inserted mandatory headings, specifically: _____
- ☐ Corrected an obvious error in the response, specifically: _____
- ☐ Edited identifiers where upper case is used but lower case is required, or vice versa.
- ☐ Corrected an error in the Number of Sequences field, specifically: _____
- ☐ A "Hard Page Break" code was inserted by the applicant. All occurrences had to be deleted.
- ☐ Deleted **ending** stop codon in amino acid sequences and adjusted the "(A)Length:" field accordingly (error due to a PatentIn bug). Sequences corrected: _____
- ☒ Other: Seq 26 - inserted hard return after cumulative base total 780

*Examiner: The above corrections must be communicated to the applicant in the first Office Action. DO NOT send a copy of this form.

3/1/95

N/A

1635

PAGE: 1

RAW SEQUENCE LISTING
PATENT APPLICATION US/09/232,880

DATE: 04/22/1999
TIME: 11:25:21

Input Set: I232880.RAW

This Raw Listing contains the General
Information Section and those Sequences
containing ERRORS.

Does Not Comply
Corrected Diskette Needed

1 <110> Xu, Jiangchun
2 Dillon, Davin C.
3 Mitcham, Jennifer Lynn
4 <120> COMPOUNDS FOR IMMUNODIAGNOSIS OF
5 PROSTATE CANCER AND METHODS FOR THEIR USE
6 <130> 210121.428C6
7 <140> US/09/232,880
8 <141> 1999-01-15
9 <160> 338
10 <170> FastSEQ for Windows Version 3.0

ERRORED SEQUENCES FOLLOW

11 <210> 26
12 <211> 820
13 <212> DNA
14 <213> Homo sapien
15 <220>
16 <221> misc_feature
17 <222> (1)...(820)
18 <223> n = A,T,C or G
19 <400> 26

W-->	20	anattantac	agtgtaatct	tttcccagag	gtgtgtanag	ggaacggggc	ctagaggcat	60
W-->	21	cccanagata	ncttatanca	acagtgtctt	gaccaagagc	tgctgggcac	atttcctgca	120
	22	gaaaagggtg	cgggtcccat	cactcctcct	ctcccatagc	catcccagag	gggtgagtag	180
W-->	23	ccatcangcc	ttcgggtggga	gggagtcang	gaaacaacan	accacagagc	anacagacca	240
W-->	24	ntgatgacca	tgggcggggag	cgagcctctt	ccctgnaccg	gggtggcana	nganagccta	300
W-->	25	nctgaggggt	cacactataa	acgttaacga	ccnagatnan	cacctgtctc	aagtgcaccc	360
W-->	26	ttcctacctg	acnaccagn	accnnaact	gcngcctggg	gacagcctg	ggancagcta	420
W-->	27	acnagcact	cacctgcccc	cccattggcg	tncgctctcc	tggtcctgnc	aagggaagct	480
W-->	28	ccctgttgga	attncgggga	naccaaggga	nccccctcct	ccanctgtga	aggaaaaann	540
W-->	29	gatggaattt	tncccttcct	gcnntcccc	tcttcttcta	cacgccccct	nntactcttc	600
W-->	30	tccctctntt	ntcctgncnc	acttttnacc	ccnnnatttc	ccttnattga	tcggannctn	660
W-->	31	ganattccac	tnncgcctnc	cntcnatcng	naanacnaaa	nactntctna	cccgggggat	720
E-->	32	gggnncctcg	ntcatcctct	ctttttcnct	accnccnntt	ctttgcctct	ccttngatca	780tcca

hand
return

Input Set: I232880.RAW

Line	? Error/Warning	Original Text
20	W "N" or "Xaa" used: Feature required	anattantac agtghtaatct tttcccagag gtgtgtan
21	W "N" or "Xaa" used: Feature required	cccanagata ncttatanca acagtgtctt gaccaaga
23	W "N" or "Xaa" used: Feature required	ccatcangcc ttcggtggga gggagtcang gaaacaac
24	W "N" or "Xaa" used: Feature required	ntgatgacca tgggcgggag cgagcctctt ccctgnac
25	W "N" or "Xaa" used: Feature required	nctgaggggt cacactataa acgttaacga ccnagatn
26	W "N" or "Xaa" used: Feature required	ttcctacctg acnaccagng accnnnaact gcngcctg
27	W "N" or "Xaa" used: Feature required	acnnagcact cacctgcccc cccatggccg tncgcntc
28	W "N" or "Xaa" used: Feature required	ccctgttgga attncgggga naccaaggga nccccctc
29	W "N" or "Xaa" used: Feature required	gatggaattt tnccttccg gccnntcccc tcttcctt
30	W "N" or "Xaa" used: Feature required	tccctctntt ntcctgncnc acttttnacc ccnnnatt
31	W "N" or "Xaa" used: Feature required	ganattccac tnncgccctnc cntcnatcng naanacna
32	E Number of Bases conflict w/ Running Total	gggnncctcg ntcacccctct ctttttcnct accnccnn
32	E Wrong Nucleic Acid Designator	gggnncctcg ntcacccctct ctttttcnct accnccnn
32	E Wrong Nucleic Acid Designator	gggnncctcg ntcacccctct ctttttcnct accnccnn
32	E Wrong Nucleic Acid Designator	gggnncctcg ntcacccctct ctttttcnct accnccnn
32	W "N" or "Xaa" used: Feature required	gggnncctcg ntcacccctct ctttttcnct accnccnn